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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/785,628	02/24/2004	Xiong Liu	STL11426	2953
7590 02/23/2005			EXAMINER	
David K. Lucente			NEGRON, DANIELL L	
Seagate Techno	ology LLC			
Intellectual Property-COL2LGL			ART UNIT	PAPER NUMBER
389 Disc Drive			2651	
Longmont, CO 80503			DATE MAILED, 02/22/200	5

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/785,628	LIU ET AL.			
		Examiner	Art Unit			
		Daniell L. Negrón	2651			
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPI MAILING DATE OF THIS COMMUNICATION nsions of time may be available under the provisions of 37 CFR 1 SIX (6) MONTHS from the mailing date of this communication. e period for reply specified above is less than thirty (30) days, a re o period for reply is specified above, the maximum statutory period re to reply within the set or extended period for reply will, by statu- reply received by the Office later than three months after the maili- red patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be timply within the statutory minimum of thirty (30) day d will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status	·					
1)⊠	1)⊠ Responsive to communication(s) filed on 24 February 2004.					
2a) <u></u> □	This action is FINAL . 2b)⊠ Thi	is action is non-final.				
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims					
5)□ 6)⊠ 7)⊠	Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 1,2,6,7,11 and 12 is/are rejected. Claim(s) 3-5 and 8-10 is/are objected to. Claim(s) are subject to restriction and/or election requirement.					
Applicati	ion Papers		•			
10)⊠	The specification is objected to by the Examin The drawing(s) filed on 24 February 2004 is/a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examinary	re: a) \square accepted or b) \square objected or by \square objected of a displaying or displaying one of the drawing (s) is objection is required if the drawing (s) is objection.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority ι	ınder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachmen		_				
2) 🔲 Notic 3) 🔯 Infon	e of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 r No(s)/Mail Date <u>24 February 2004</u> .	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:				

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DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement (IDS) submitted on February 24, 2004 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1, 2, 6, 7, 11, and 12 are rejected under 35 U.S.C. 102(e) as being anticipated by Miu et al U.S. Patent Application Publication No. 2003/0058570.

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Regarding claim 1, Miu et al disclose a method comprising the steps of creating a track profile (i.e. repeatable run-out) for at least one track of a plurality of tracks (Fig. 3) using error signals for the at least one track and creating an adjacent track profile (i.e. repeatable run-out) for a track adjacent to the at least one track using error signals for the adjacent track (paragraph 65, lines 7-12).

Miu et al further disclose a method comprising the step of determining a head positioning profile for the at least one track using the track profile and the adjacent track profile (paragraph 66, lines 1-4).

Regarding claim 2, Miu et al disclose a method wherein the track profile is a PES RRO profile (paragraph 64, lines 1-5).

Regarding claim 6, Miu et al disclose a method of compensating for positioning errors in a data storage device comprising the step of using track profile (i.e. repeatable run-out) information for a track being ZAPed (i.e. RRO compensated) to track profile information for a track adjacent to the track being ZAPed when ZAPing the track (paragraph 65, lines 7-12 and paragraph 66, lines 1-4).

Regarding claim 7, Miu et al disclose a method of compensating for positioning errors in a data storage device further comprising a step of selectively ZAPing particular tracks of the data storage device based upon whether given tracks' maximum profile exceeds a predetermined threshold value (see paragraph 62, and paragraph 65, lines 7-12).

Furthermore, Miu et al disclose that whether a position error is present in a sector is based on a comparison with a threshold value C₁, therefore it is considered that error

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compensation only occurs where the repeatable run-out value exceeds the predetermined value stored in C_i.

Regarding claims 11 and 12, apparatus claim 11 and 12 are drawn to the apparatus corresponding to the method of using same as claimed in claims 1, 2, 6, and 7. Therefore apparatus claims 11 and 12 correspond to method claims 1, 2, 6, and 7, and are rejected for the same reasons of anticipation as used above.

Allowable Subject Matter

4. Claims 3-5 and 8-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniell L. Negrón whose telephone number is 703-305-6985. The examiner can normally be reached on Monday-Friday (8:30-6:00) alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David R. Hudspeth can be reached on 703-308-4825. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

February 14, 2005

DAVID HUDSPETH SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600